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(71) Applicant (for all designated States except US): KONINKLIJKE PHILIPS ELECTRONICS N.V. [NL/NL]; Groenewoudseweg 1, NL-5621 BA Eindhoven (NL).

(72) Inventors; and

(75) Inventors/Applicants (for US only): SUN, Xiaohong [CN/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US). GIANNOPoulos, Demetri [US/US]; P.O. Box 3001, Briarcliff Manor, NY 10510-8001 (US).

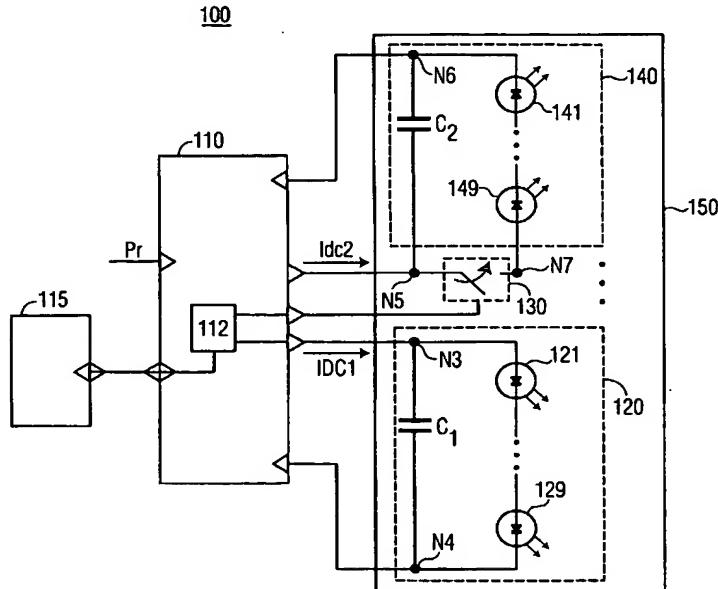
(74) Common Representative: KONINKLIJKE PHILIPS ELECTRONICS N.V.; c/o Halajian, Dicran, P.O.Box 3001, Briarcliff Manor, NY 10510-8001 (US).

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(54) Title: LED SYSTEM FOR ILLUMINATION AND DATA TRANSMISSION



(57) Abstract: A LED system (100) for illumination and data transmission employs a LED driver (110), an electronic switch (130), and an illumination unit (150). In a first illumination state, illumination unit (150) receives LED current(s) from LED driver (110) to emit a first light output. In a second illumination state, the illumination unit (150) receives additional LED current(s) from LED driver 110 via the electronic switch as controlled by the LED driver where the illumination unit (150) additionally emits a second light output. LED system (100) optically communicates a data bit with each transition of the illumination unit (150) from the first illumination state to the second illumination state, and vice-versa.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations*

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